SCHEMATIC DIAGRAM & PARTS LIST

QUARTZ PLL SYNTHESIZER TUNER

SANSUI TU-S9 TU-S607

SANS-00758

Sansui
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Note:
This edition contains Parts List and Schematic Diagram only. Regular Service Manual will follow soon. Please use this issue for the time being, when servicing or ordering parts.

1. PARTS LIST

1-1. F-3277 Tuner & Control Circuit Board

Parts No.	Stock No.	Description
dZ1	07267700	FM Frontend Pack FD216J15 (TU-S607 Only)
	07271300	FM Frontend Pack FD216U18 (TU-S9 Only)
●Transistor		
dQ1	03063400 ~ 2	2SC1674 M, L, K
dQ2	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ3	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ4	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ5	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ6	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ7	07225400, 1	2SC2320L F, G
dQ8	07225400, 1	2SC2320L F, G
dQ9	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ10	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ11	03059501 ~ 3	2SC945 Q, P, K
	03068301	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ12	07194700, 1	2SA1015 Y, GR
	03012700, 1	2SA999 E, F
	07197001, 2	2SA733A Q, P
dQ13	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ14	03033601, 2	2SB560MP E, F
dQ15	03033601, 2	2SB560MP E, F
dQ16	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
dQ17	03059501 ~ 3	2SC945 Q, P, K
	03068301, 2	2SC2320 E, F
	07194800, 1	2SC1815 Y, GR
●FET		
dFT1	03703404, 5	2SK163 M1, M2
●IC		
dIC1	03605900	TA7302P
dIC2	07196000	HA12412
dIC3	03606800	HA11223W
dIC4	03613800	NJM4559D
●Diode		
dD2	03401500	MV12 (Varistor)
dD3	03117600	1S2473D
dD4	03117600	1S2473D
dD5	03117600	1S2473D
dD6	03117600	1S2473D
dD7	03117600	1S2473D
dD8	03117600	1S2473D
dD9	03117700	10E-2
●Zener Diode		
dDZ1	07178900	RD6.2E-B
dC39	46032600	0.47μF 50V E.C.
dC40	46033000	3.3μF 50V E.C.
dC42	46033000	3.3μF 50V E.C.
dCF1	07257200	Ceramic Filter
dFL2	07196400	Low Pass Filter
dL1	42407200, 1	FM MPX Coil 19 kHz
dT1	42359300	FM IF Coil 10.7 MHz
dT2	07236800	FM IF Coil
dVR1	10351500	Semi Variable Resistor 22 kΩ (B)
dVR2	10351900	Semi Variable Resistor 100 kΩ (B)
dVR3	10342500	Semi Variable Resistor 4.7 kΩ (B)
dVR4	10351700	Semi Variable Resistor 47 kΩ (B)
dVR5	10352100	Semi Variable Resistor 220 kΩ (B) (TU-S607 Only)
	10352500	Semi Variable Resistor 1MΩ (B) (TU-S9 Only)
●Transistor		
eQ1	03062400 ~ 2	2SC1675 M, L, K
eQ2	03062400 ~ 2	2SC1675 M, L, K
●IC		
eIC1	03603900	HA1197
●Diode		
eD1	07197200	KV1226 (Variable Capacitance Diode)
eD2	03117600	1S2473D
eD3	03117600	1S2473D
eTC1	12301000	Trimmer Capacitor 15 pF
eTC2	12301000	Trimmer Capacitor 15 pF
eCF2	07202700	Ceramic Filter BFU459C
eT1	07198800	AM RF Coil
eT2	07198700	AM RF Coil
eCF1	07198500	AM IF Coil
eT3	42306200	AM IF Coil 455 kHz

to be continued ▶

<F-3327>

Parts No.	Stock No.	Description
eVR1	10351300	Semi Variable Resistor 10 kΩ (B)
eVR2	10351700	Semi Variable Resistor 47 kΩ (B)
•Transistor		
fQ1	07194800, 1	2SC1815 Y, GR
fQ2	07194800, 1	2SC1815 Y, GR
fQ3	07194700, 1	2SA1015 Y, GR
fQ4	07194800, 1	2SC1815 Y, GR
fQ5	07194800, 1	2SC1815 Y, GR
fQ6	07194800, 1	2SC1815 Y, GR
fQ7	07194800, 1	2SC1815 Y, GR
fQ8	07194800, 1	2SC1815 Y, GR
fQ9	07194700, 1	2SA1015 Y, GR
fQ10	07194800, 1	2SC1815 Y, GR
•FET		
fFT1	03703001, 2	2SK117 Y, GR
	03703401, 2	2SK163 K2, L
•IC		
fIC1	07197600	TD6102P
fIC2	07197700	TC9123P
fIC3	07197900	TC9124AP
fIC4	07245800	TC4081BP
	07272700	MSM4081RS
fXO1	07197100	Quartz Element
•Diode		
fD1	03117600	1S2473D
fD2	03117600	1S2473D
fD3	03117600	1S2473D
fD4	03117600	1S2473D
fD6	07176400	1S2473HS (TU-S9 Only)
fD7	07176400	1S2473HS (TU-S9 Only)
fD8	03117600	1S2473D
fD9	03117600	1S2473D
fD10	03117600	1S2473D
fD11	03117600	1S2473D
fD12	03117600	1S2473D
fD13	03117600	1S2473D
fD14	03117600	1S2473D
fD15	03117600	1S2473D
fD16	03117600	1S2473D
•Zener Diode		
fDZ1	03177800	RD7.5E-B
fTC1	12301000	Trimmer Capacitor 15 pF
fVR1	10351500	Semi Variable Resistor 22 kΩ (B)
fS16	07255500	Slide Switch (TU-S9 Only)
•Transistor		
nQ1	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ2	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
•IC		
nIC1	03611600	LB1416

1-2. F-3278 Preset Section Circuit Board

Parts No.	Stock No.	Description
•Diode		
fD25	03111600	1S2473D
	03111800	1S1588
fD26	03111600	1S2473D
	03111800	1S1588
fD27	03111600	1S2473D
	03111800	1S1588
fD28	03111600	1S2473D
	03111800	1S1588
fD29	03111600	1S2473D
	03111800	1S1588
fD30	03111600	1S2473D
	03111800	1S1588
fD31	03111600	1S2473D
	03111800	1S1588
fD32	03111600	1S2473D
	03111800	1S1588
fS12	07218500	Push Switch
fS13	07218500	Push Switch
fS14	07218500	Push Switch
fS15	07218500	Push Switch
nLD15	07243200	Light Emitting Diode GL-5HD5
nLD16	07243200	Light Emitting Diode GL-5HD5
nLD17	07243200	Light Emitting Diode GL-5HD5
nLD18	07243200	Light Emitting Diode GL-5HD5

1-3. F-3279 Digitally Display Circuit Board

Parts No.	Stock No.	Description
•Transistor		
fQ13	07194700, 1	2SA1015 Y, GR
fQ14	07294800, 1	2SC1815 Y, GR
fQ15	07194800, 1	2SC1815 Y, GR
fQ16	07194800, 1	2SC1815 Y, GR
fQ17	07194800, 1	2SC1815 Y, GR
•Diode		
fD17	03111600	1S2473D
	03111800	1S1588
fD18	03111600	1S2473D
	03111800	1S1588
fD19	03111600	1S2473D
	03111800	1S1588
fD20	03111600	1S2473D
	03111800	1S1588
fD21	03111600	1S2473D
	03111800	1S1588
fD22	03111600	1S2473D
	03111800	1S1588
fD23	03111600	1S2473D
	03111800	1S1588
fD24	03111600	1S2473D
	03111800	1S1588
fD33	03111600	1S2473D
	03111800	1S1588
fS1	07218500	Push Switch
fS2	07224100	Key Switch
fS3	07224100	Key Switch
fS4	07218500	Push Switch
fS5	07218500	Push Switch
fS6	07218500	Push Switch
fS7	07218500	Push Switch
fS8	07218500	Push Switch
fS9	07218500	Push Switch
fS10	07218500	Push Switch
fS11	07218500	Push Switch
•Transistor		
nQ3	07197001, 2	2SA733A Q, P
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR
nQ4	007197001, 2	2SA733A Q, P
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR

Parts No.	Stock No.	Description
nQ6	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ7	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ8	07194801, 2	2SC1815 GR, F
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ9	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ10	07197001, 2	2SA733A Q, P
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR
nQ11	07197002, 1	2SA733A P, Q
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR
nQ12	07197001, 2	2SA733A Q, P
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR
nQ13	07197001, 2	2SA733A Q, P
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR
nQ14	07197001, 2	2SA733A Q, P
	03012700, 1	2SA999 E, F
	07194700, 1	2SA1015 Y, GR
nQ15	07206800, 1	2SA952 M, L
	07254800, 1	2SA854 Q, R
nQ16	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ17	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ18	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
nQ19	07194801	2SC1815 GR
	03068302	2SC2320 F
	03059502, 3	2SC945 P, K
•IC		
nIC2	07202200	TC6058BP
nFL1	07235200	FL Indicator FIP7D8
nLD1	07246200	Light Emitting Diode SEL1710K
nLD2	07246200	Light Emitting Diode SEL1710K
nLD3	07246200	Light Emitting Diode SEL1710K
nLD4	07246200	Light Emitting Diode SEL1710K
nLD5	07246200	Light Emitting Diode SEL1710K
nLD6	07243200	Light Emitting Diode GL-5HD5
nLD7	07246200	Light Emitting Diode SEL1710K
nLD8	07243200	Light Emitting Diode GL-5HD5
nLD9	07243200	Light Emitting Diode GL-5HD5
nLD10	07243200	Light Emitting Diode GL-5HD5
nLD11	07243200	Light Emitting Diode GL-5HD5
nLD12	07243200	Light Emitting Diode GL-5HD5
nLD13	07243200	Light Emitting Diode GL-5HD5
nLD14	07243200	Light Emitting Diode GL-5HD5

1-4. F-3280 Selector Switch Circuit Board

Parts No.	Stock No.	Description
oS1	07243301	Push Switch

1-5. F-3329 Power Supply Circuit Board

Parts No.	Stock No.	Description
•Transistor		
mQ1	03083902, 3	2SD313AL E, F
mQ2	03059501, 2	2SC945 Q, P
	07194800, 1	2SC1815 Y, GR
	03068301, 2	2SC2320 E, F
mQ3	03059501	2SC945 Q, P
	07194800, 1	2SC1815 Y, GR
	03068301, 2	2SC2320 E, F
mQ4	03059501, 2	2SC945 Q, P
	07194800, 1	2SC1815 Y, GR
	03068301, 2	2SC2320 E, F
mQ5	03059501, 2	2SC945 Q, P
	07194800, 1	2SC1815 Y, GR
	03068301, 2	2SC2320 E, F
mQ6	03083902, 3	2SD313AL E, F
mQ7	03059501, 2	2SC945 Q, P
	07194800, 1	2SC1815 Y, GR
	03068301, 2	2SC2320 E, F
mQ8	07197002, 1	2SA733A P, Q
	07194700, 1	2SA1015 Y, GR
	03012700, 1	2SA999 E, F
•Diode		
mD1	07193300	UB-152LFF
mD2	07112300	10DF2
mD3	07112300	10DF2
•Zener Diode		
mDZ1	03163900	RD6.2E B
mDZ2	03163900	RD6.2E B
	03164000	RD6.2E C
mDZ3	03163100	RD13E B
	03163200	RD13E C
mR13	00182100	33Ω 1W N.I.R.
mR23	00186200	120Ω 2W N.I.R.
mPL1	07244700	Pilot Lamp
mVR1	10351100	Semi Variable Resistor 4.7 kΩ (B)

1-6. F-3397 Output Terminal Board

Parts No.	Stock No.	Description
	22007000	2P Terminal Board

1-7. F-3399 Power Switch Circuit Board

Parts No.	Stock No.	Description
pC1	00386100	4700 pF 150V C.C.
pS1	07265200	Push Switch (TU-S607 Only)
	07265300	Push Switch (TU-S9 Only)

1-8. Other Parts

•TU-S9

Parts No.	Stock No.	Description
	07645000	Wood Bonnet
	07626100	Illumination Case Ass'y
	07612510	Front Panel Ass'y
	07605900	Panel Side Frame (L)
	07606100	Panel Side Frame (R)
	07580000	Push Knob
	07581400	Push Knob Guide
	07606500	Push Knob
	07605010	1P Knob Holder
	07605320	6P Knob Holder
	07605420	2P Knob Holder
	07606210	2P Knob Guide
	07604810	Station Holder
	07607200	Sansui Badge (A)
	07611700	FL Window
	07611800	Station Window
	07578000	Indicator (Red)
	07578100	Indicator (Green)
	07662900	Leg
	38004700	Power Supply Cord
	39106000	Strain Relief
	07189600	AC Outlet
	07563310	Battery Case Ass'y
	07233800	Antenna Terminal Board
	07233700	F-type Connector (Female)
	07237500	1P Input Terminal

•TU-S607

Parts No.	Stock No.	Description
	07626100	Illumination Case Ass'y
	07662900	Leg
	07605420	2P Knob Holder
	07605320	6P Knob Holder
	07611700	FL Window
	07611800	Station Window
	07578000	Indicator (Red)
	07578100	Indicator (Green)
	38004700	Power Supply Cord
	39106000	Strain Relief
	07189600	AC Outlet
	07563310	Battery Case
	07233800	Antenna Terminal Board
	07233700	F-type Connector (Female)
<Silver Model Only>		
	07623400	Wood Bonnet
	07612310	Front Panel Ass'y
	07605800	Panel Side Frame (L)
	07606000	Panel Side Frame (R)
	07579800	Push Knob
	07581500	Push Knob Guide
	07604710	Station Holder
	07604910	1P Knob Guide
	07605110	2P Knob Guide
	07606400	Push Knob
	07607300	Sansui Badge (B)
<Black Model Only>		
	07645000	Wood Bonnet
	07612510	Front Panel Ass'y
	07605900	Panel Side Frame (L)
	07606100	Panel Side Frame (R)
	07580000	Push Knob
	07581400	Push Knob Guide
	07604810	Station Holder
	07605010	1P Knob Guide
	07605210	2P Knob Guide
	07606500	Push Knob
	07607200	Sansui Badge (A)

1-9. Packing Materials

•TU-S9

Parts No.	Stock No.	Description
	91166920	Vinyl Cover
	07585600	Styrofoam Packing
	07659100	Carton Case (Silver)
	07609100	Carton Case (Black)

•TU-S607

Parts No.	Stock No.	Description
	91166920	Vinyl Cover
	07585600	Styrofoam Packing
	07609000	Carton Case

1-10. Accessory Parts

•TU-S9

Parts No.	Stock No.	Description
	07644100	Operating Instruction
	07233600	F-type Connector (Male)
	07272400	AM Bar Antenna
	46051700	FM Antenna
	38103300	PJP Cord
	07563000	Antenna Holder
	07623200	Station Base (B)

•TU-S607

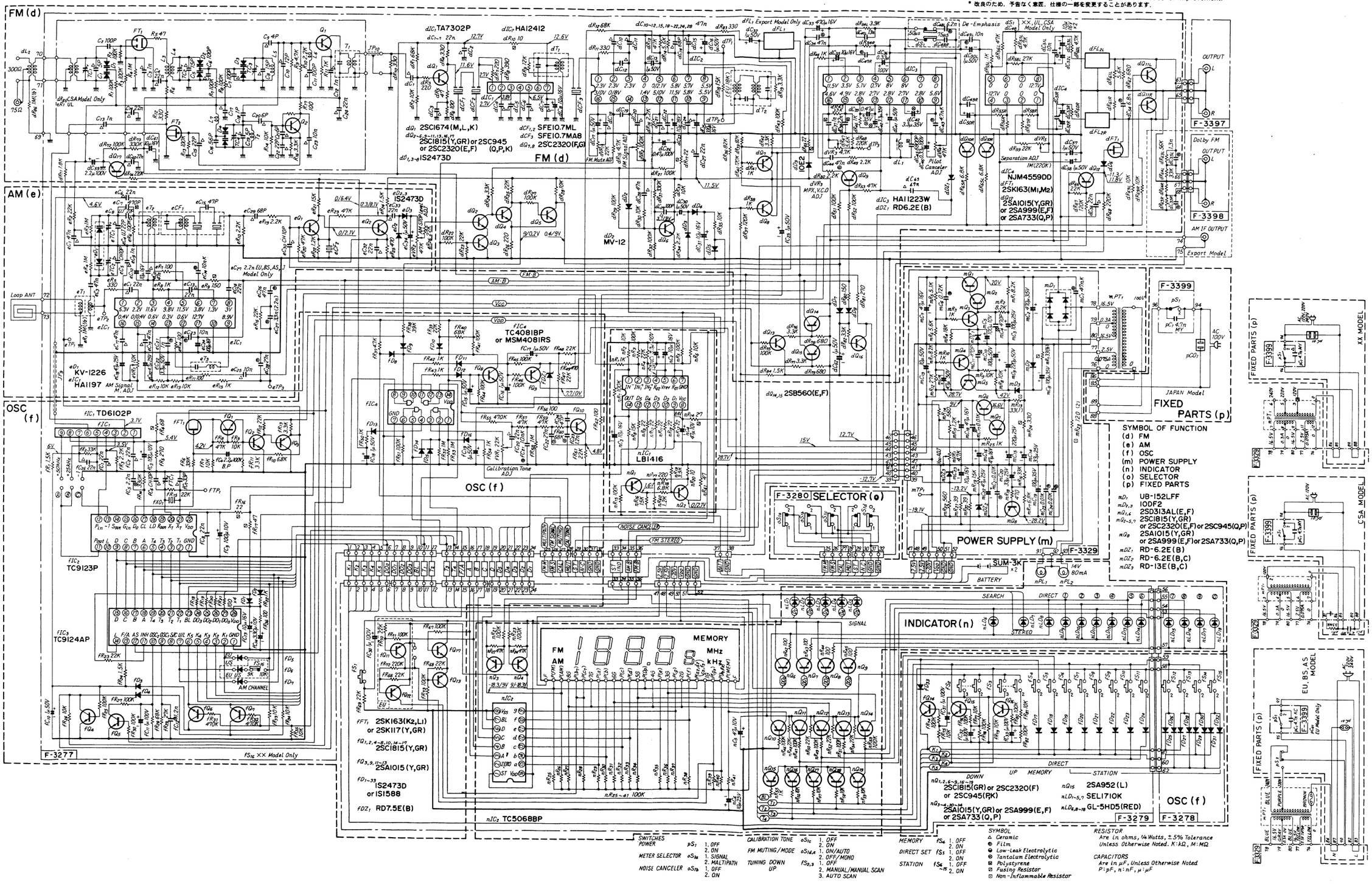
	Stock No.	Description
	07560800	Operating Instruction
	07272400	AM Bar Antenna
	07233600	F-type Connector (Mail)
	46051700	FM Antenna
	38103300	PJP Cord
	07563000	Antenna Holder
	07623200	Station Base (B)

1-11. F-3398 FM Dolby Output Board <TU-S9 Only>

Stock No.	Description
22007000	2P Terminal Board

2. SCHEMATIC DIAGRAM <TU-S9/TU-S607>

* La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.
* Design and specifications subject to change without notice for improvement.
* 改良のため、予告なく変更、仕様の一部を変更することがあります。



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